

ATTACHMENT A1
Pipefitter APPRENTICESHIP PATHWAY TO A
TECHNICAL ASSOCIATE DEGREE
March 24, 2016

College: LCCC

I. Pipefitter Curriculum (30 credit hours recommended or 50% of degree)

The Plumbers & Pipefitter Apprenticeship curriculum fulfills the 30 semester hour Technical requirement of a Technical Associate Degree.

AETC 131 - Piping Systems and Codes – 3 Semester Hours

CNST 121 - Construction Document Reading - 3 Semester Hours

CNST 210 – Safety in Construction – 2 semester hours

TECN 115 - Industrial Blueprint Reading - 2 Semester Hours

TECN 121 - Fluid Power - 3 Semester Hours

TECN 133 - Mechanical Systems - 3 Semester Hours

TECN 220 - Industrial Piping & Tubing - 3 Semester Hours (Prerequisite TECN 115)

WTEC 108 - OXY-Fuel Welding & Cutting - 2 Semester Hours

WTEC 111 - Welding Specifications and Print Reading - 2 Semester Hours

WTEC 116 - Basic Shielded Metal Arc Welding (SMAW) – 3 Semester Hours (Prerequisite WTEC 111)

WTEC 218 - Advanced Arc Welding – 2 Semester Hours (Prerequisite WTEC 116)

Technical Electives: 2 Semester Hours

WTEC 112 - Welding Codes and Standards - 2 Semester Hours (Prerequisite WTEC 108 or WTEC 116)

TECN 287 Hydronic Heating 1 Semester Hour

TECN 288 Steam Systems 1 Semester Hour

TECN 289 Rigging 2 Semester Hours

Total: 30 Credit Hours

II. Non-Technical Curriculum (30 credit hours recommended or 50% of degree)

Courses are to be from the following:

A. General Education – At least one 3 hour semester course in each area for a total minimum of 15 semester hours.

Area I.	English Composition/Oral Communication – 3 semester hour minimum ENGL 161 - College Composition I - 3 Semester Hours
Area II.	Mathematics – 3 semester hour minimum MTHM 121 - Technical Mathematics I - 4 Semester Hours — Covered in Plumbers and Pipefitter curriculum, does not carry OTM transfer guarantee
Area III.	Arts & Humanities – 3 semester hour minimum Arts & Humanities Elective – 3 Semester hours
Area IV.	Social Sciences – 3 semester hour minimum, PSYH 151 - Introduction to Psychology or SOCY 151 - Introduction to Sociology - 3 Semester Hours
Area V.	Natural Sciences/Physics – 3 semester hour minimum PHYC 287 – Work Based Learning I - 2 Semester hours PHYC 288 – Work Based Learning II – 2 Semester hours Covered in Plumbers and Pipefitter curriculum, does not carry OTM transfer guarantee
Total: 17 Credit Hours	
Note: General Education courses can be taken before, concurrently, or after enrollment in the Plumbers and Pipefitters Curriculum.	
<u>Basic Education</u> Courses basic to the technical field and closely related to the technical specialty	
Total: 13 Credit Hours	
ENGR 120 - Introduction to Engineering - 1 Semester hour TECN 111 - Technical Problem Solving - 3 Semester hours BADM 155 - Introduction to Business Administration - 3 Semester hours CNST 205 - Construction Estimating – 3 Semester Hours (Prerequisite TECN 111 & CNST 121) CNST 206 - Construction Estimating II – 3 Semester Hours (Prerequisite CNST 205)	
Total Credit Hours for the degree:60	

Signature: 
Chief Academic Officer

March 24, 2016
Date: _____